

COVER

TITLE: "The Mini-Sweep" and its comp nents.

COMPONENTS: "The Mini-Lifter", "The Mini-Sweep Mounting Bracket"

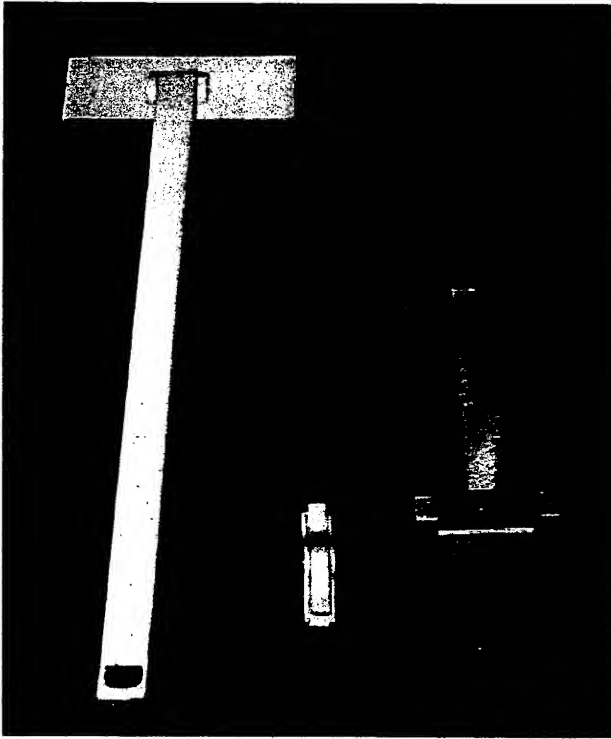
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INVENTED ON: Jan. 11, 2003

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CITIZENSHIP: United States



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(TITLE OF INVENTION)

The Mini-Sweep

(CROSS REFERENCES TO REALTED APPLICATIONS)

1) US-5,095,574	03-1992	KHANZADIAN, SARKIS	15/118
2) US-6,155,620	12-2000	ARMSTRONG, JEFFERY L.	294/57
3) US-6,405,403	06-2002	McKAY, WILLIAM D.	15/228
4) US-6,546,584	04-2003	HOBODEN, EDMOND C. A.	15/144.1
5) US-6,757,928	07-2004	LEE, JACK RAMOND	15/104.001
6) US-6,795,999	09-2004	POST et al.	15/220.1

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NOT APPLICABLE

**THE NAMES OF THE PARTIES
TO A JOINT RESEARCH AGREEMENT**

NOT APPLICABLE

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NOT APPLICABLE

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BACKGROUND OF INVENTION

(¶0001) The device and its components are "new" and "original" in design and concept to the best of my knowledge. This invention was created for specific cleaning applications, based upon the limitations and exclusions of other similar or comparable devices. These limitations are associated with and not excluding non-motorized floor "sweepers" of various names and designs, i.e., too bulky, ineffective, limited usage. "The Mini-Sweep" is a much smaller version, but may be classified the same, i.e., "cleaning tool" or "device" or any variation thereof.

(¶0001) The following Art shows the various parts and assemblies associated with the invention.

Fig 1 and Fig 1A relate to the main functional item of the invention namely, "The Mini-Sweep".

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SUMMARY OF INVENTION

(¶0001) "The Mini-Sweep" was inspired by the limitations of comparable, larger "sweepers" or "dusters", and may be used with only one hand. It incorporates a "removable/disposable cleaning pad or cloth" which cleans dust and dirt for flat surfaces. By design, "The Mini-Sweep" can reach into areas with only ¼ inch clearance (with use of 'The Mini-Lifter') or from ½ inch and larger clearances by itself. It is lightweight, and maneuverable, and all components can be easily stored on "The Mini-Sweep Storage/Mounting Bracket".

BRIEF DESCRIPTION OF THE SEVERAL VIEW OF THE DRAWINGS

Fig. 1 and Fig. 1A show the Mini-Sweep cleaning tool. Fig. 2 thru Fig. 2D show the Mini-Lifter and its assembly. Fig. 3 shows the Mounting Bracket.

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DETAILED DESCRIPTION OF INVENTION

(¶0001) "The Mini-Sweep" and its components are to be made of any high-impact, lightweight plastic or resin material, which will provide adequate strength and durability. The three main components are listed in detail:

- a) "The Mini-Sweep" (Fig. 1 and Fig. 1A) has 3 main parts. The "cleaning head" where a "replaceable cleaning pad" is attached, is 6 inches in length, 2 inches in width and 1/8 inch thick. It has 2-1 inch by 3/8 inch, by 1/4 inch blocks for attaching to handle. There is a 3 1/8 inch by 1/8 diameter rod or dowel, also for attaching to handle. The handle is 18 inches in length, 1 inch wide and 3/8 inch thick. "The Mini-Sweep" is designed to clean small or low-clearance areas. Detailed dimensions on drawings.
- b) "The Mini-Lifter" (Fig. 2 thru Fig. 2D) has 3 components. The base is 3 inches long, 1 inch (at highest point), 1/4 inch (at lowest point) and 3/4 inch wide, with a material thickness of 1/8 inch. The "lever" mechanism is 3 inches in length (total), 7/8 inch in height (total), 7/16 inch in width, with a variable thickness from 1/8 inch to 1/2 inch. The base and lever attach pivotally on a 3/4 inch in length by 1/8 diameter rod or dowel. A small gauge, low tension, metallic spring is added to lever to allow lever to return to 'ready' condition. This assembly stores in the handle of "The Mini-Sweep". This device is designed to "lift" specific items for cleaning under, with a minimum clearance of 1/4 inch to 1/2 inch, manually. Detailed dimensions on drawing.
- c) "The Mini-Sweep Mounting Bracket" (Fig.3) is a single piece, for storage of "The Mini-Sweep", "The Mini-Lifter" and "replaceable cleaning pads" container/package, of a specific size. The basic dimensions are 6 1/2 inches in height, 3 1/4 inches in width and 1 1/4 inch in depth. It has a "hook-type" feature

that allows “The Mini-Sweep” to stored. The Mounting Bracket can be installed behind doors, cabinet doors or any small space. Detailed dimensions on drawing.